

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

05/13/2011

Ryan Mingo
Assistant District Attorney, Suffolk County

Dear ADA Mingo,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Drug Analysis Laboratory Receipt.
2. Curriculum Vitae for Annie Dookhan & Lisa Glazer
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Lisa Glazer was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6631
Annie.Khan@state.ma.us



DRUG RECEIPT

CC #

BOOK # 64

PAGE # 87

DESTRUCTION #

District/Unit A-1 DCY

Name & Rank of Arresting Officer S/Sgt Wm D. VAN ID# 10060

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sgt. S. White ID# 11064

Received by *[Signature]* Date *2-7-2000* File # *11*

FIGURE 5

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Maintenance and repairs of all analytical instruments.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- *Responsible for the Quality Control/Quality Assurance program for the drug lab.
- *Notary Public.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)
GLP/GMP course with Massachusetts Biologic Laboratory.
QC/QA training according to FDA Codes and Regulations.
GC and GC/MS courses with Agilent Technologies and Restek.
HPLC course with Waters Cooperation.
FTIR course with Spectros.
TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)
Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Lisa A. Glazer

Education

Bachelor of Science Degree, CHEMISTRY January 2006
UNIVERSITY OF NEW HAVEN
Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Bachelor of Science Degree, FORENSIC SCIENCE January 2006
UNIVERSITY OF NEW HAVEN
Coursework included: Organic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus, Biology, Criminal Justice and Forensic Science courses

Employment

Chemist I, II State Laboratory Institute (May 2007-Present)
Massachusetts Department of Public Health
Drug Analysis Laboratory
➤ Responsible for the identification of substance to determine violation of the Massachusetts drug laws
➤ Operate analytical instrumentation for the purpose of performing forensic drug analysis
➤ Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
➤ Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2007.

Laboratory Technician I (August 2006 – May 2007)

University of Connecticut Chemistry Department - Storrs, CT
➤ Prepared unknowns, chemical reagents and supplies for undergraduate chemistry courses
➤ Set-up experiment demonstrations
➤ Properly disposed of hazardous waste from the experiments
➤ Made sure labs were being conducted safely
➤ Kept track of student laboratory paperwork, inventoried glassware and chemicals and helped clean glassware

Intern (September 2005 – November 2005)

CONNECTICUT STATE POLICE FORENSIC LABORATORY - Meriden, CT
➤ Worked on a Pyrolysis Gas Chromatography project
➤ Observed in the GSR testing, Forensic Biology, DNA, Questioned Documents, Black and White Photo, Latent Prints, Firearms, Trace Evidence and Color Photo Units

Date Analyzed: ~~04-22-11~~
04-22-11

No. [REDACTED] C.U. Police Dept.
City: [REDACTED]
Officer: [REDACTED]
Def: [REDACTED]

Amount: Cont: pb
No. Cont: 1 Date Rec'd: 03/30/2011
Gross Wt.: 2.15 ✓

Subst: SUB
No. Analyzed: 0,11g
Net Weight: # Tests: 6X16
Findings: 2950 cocaine

Prelim: cocaine Findings: cocaine

No. [REDACTED] Date Analyzed: 04-22-11
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]

Amount: Subst: SUB
No. Cont: 1 Cont: pb

Date Rec'd: 03/30/2011 No. Analyzed:
Gross Wt.: 2.12 ✓ Net Weight: 0,13g
Tests: 6X16

Prelim: cocaine Findings: cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY BostonANALYST JAB

No. of samples tested: _____

Evidence Wt. ✓ _____**PHYSICAL DESCRIPTION:**

Signed & Sealed
- 1 pb w/ off white
rock-like substance

Gross Wt (): _____

Gross Wt (): 0.20780Pkg. Wt: 0.06930Net Wt: 0.13850***EXPEDITED*****PRELIMINARY TESTS****Spot Tests**

Cobalt Thiocyanate () A better whacid
Marquis _____
Froehde's _____
Mecke's _____

Microcrystalline Tests

Gold Chloride () +
TLTA () A whacid

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine ()
DATE 4/12/11

GC/MS CONFIRMATORY TEST

RESULTS cocaine
MS OPERATOR ASO
DATE 4/12/11

DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED]

AGENCY BostonANALYST DAG

No. of samples tested: _____

Evidence Wt. _____

PHYSICAL DESCRIPTIONSigned + sealed

Gross Wt (): _____

- 1 pb w/ off white rock
like substance

Gross Wt (): 0.1878gPkg. Wt: 0.0680gNet Wt: 0.1198g*Expedited*PRELIMINARY TESTSSpot Tests

Cobalt Thiocyanate (+) better w/ acid
Marquis (-)
Froehde's (-)
Mecke's (-)

Microcrystalline Tests

Gold Chloride (+)
TLTA (+) w/ acid

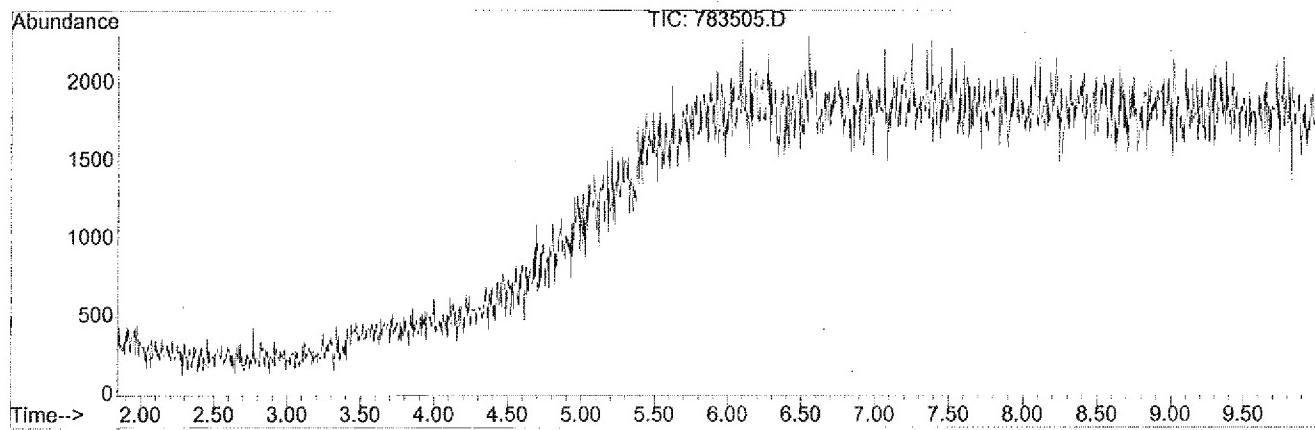
OTHER TESTS

PRELIMINARY TEST RESULTSRESULTS cocaineDATE 4/12/11GC/MS CONFIRMATORY TESTRESULTS cocaineMS OPERATOR ASODATE 4/22/11

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783505.D
Operator : LAG
Date Acquired : 20 Apr 2011 12:50
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



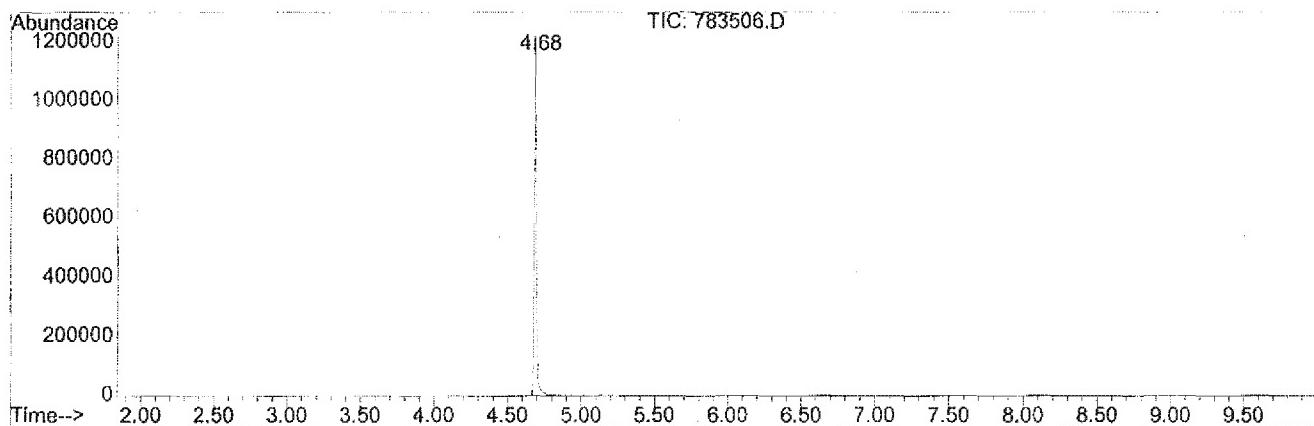
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783506.D
Operator : LAG
Date Acquired : 20 Apr 2011 13:02
Sample Name : COCAINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.680	1206984	100.00	100.00

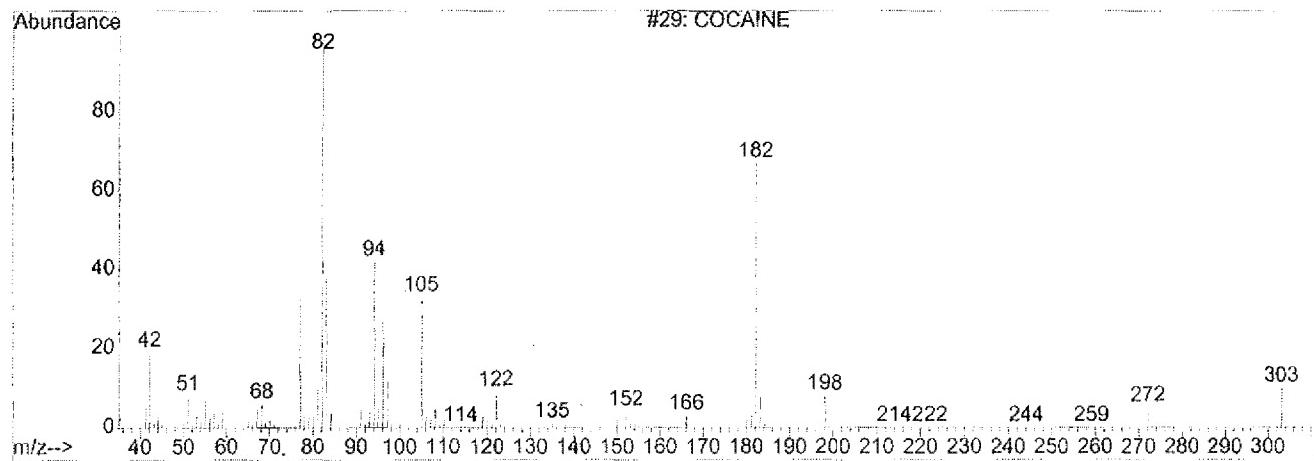
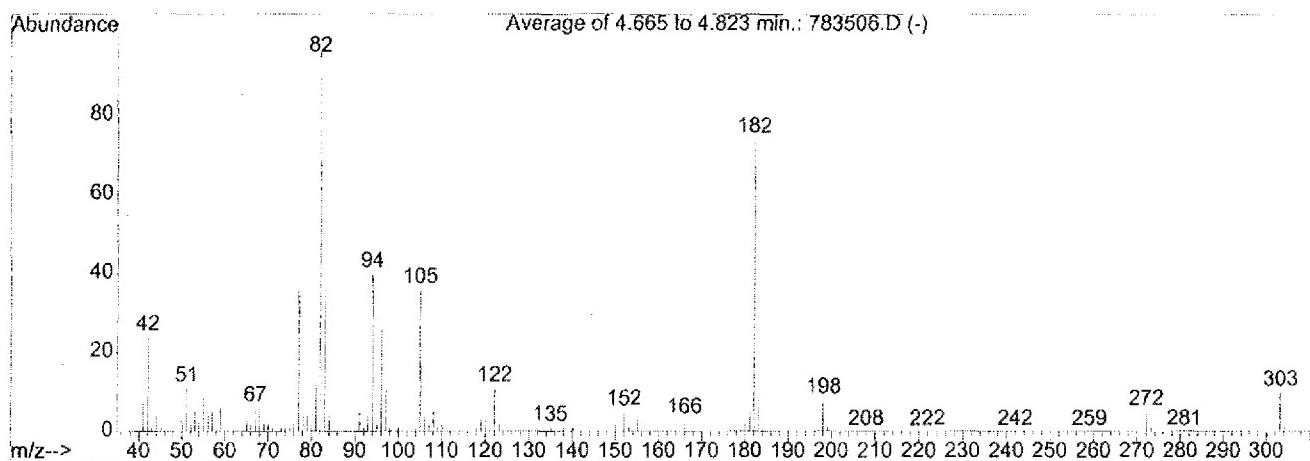
Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783506.D
 Operator : LAG
 Date Acquired : 20 Apr 2011 13:02
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 6
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

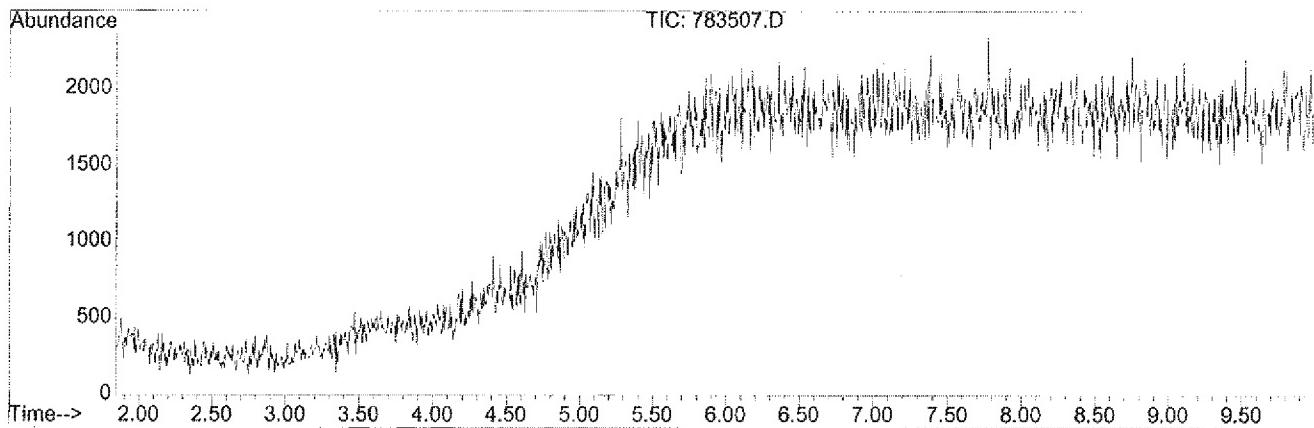
PK#	RT	Library/ID	CAS#	Qual
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Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783507.D
Operator : LAG
Date Acquired : 20 Apr 2011 13:15
Sample Name : BLANK
Submitted by : MGL
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



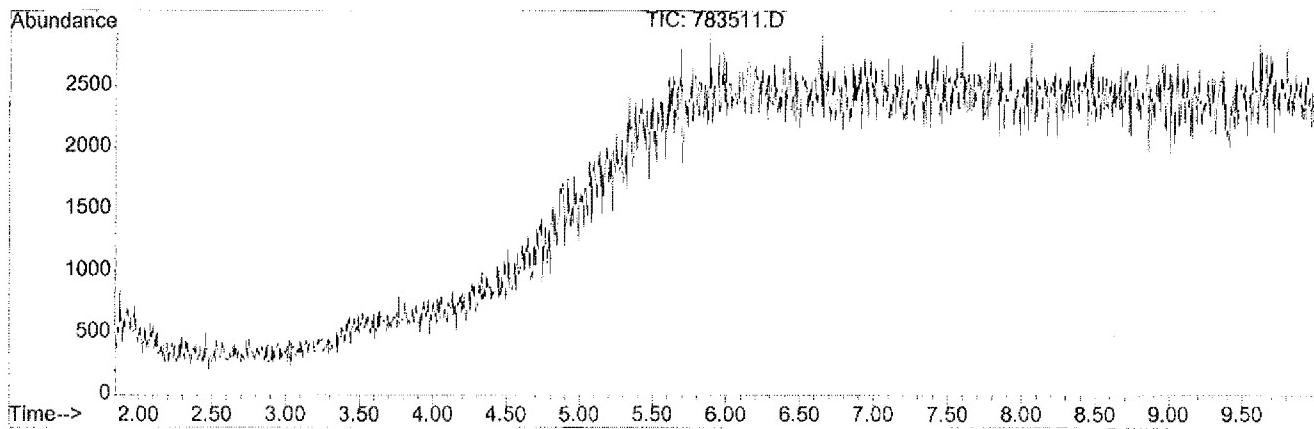
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783511.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:05
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



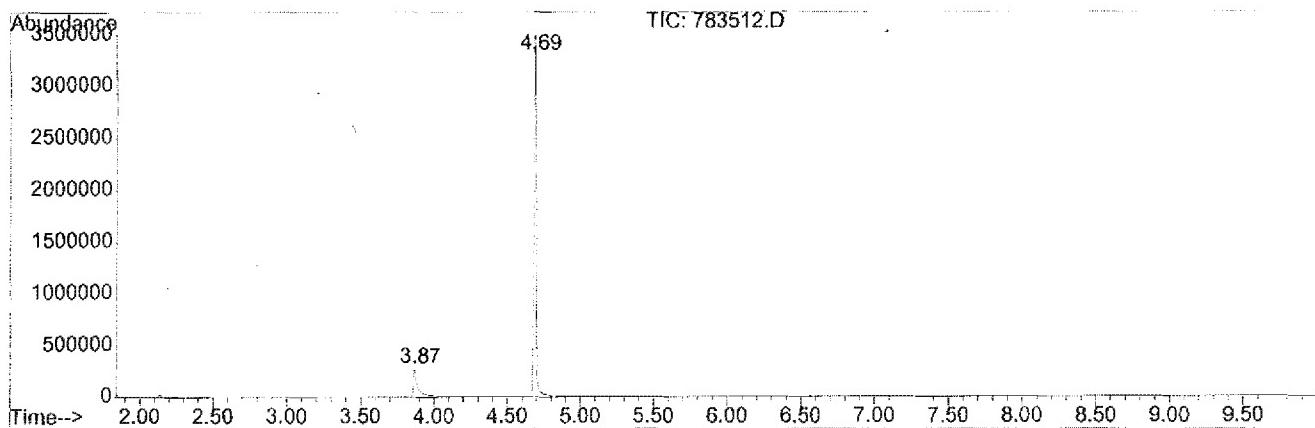
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783512.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:18
Sample Name : [REDACTED]
Submitted by : LAG
Vial Number : 12
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.865	596214	13.65	15.81
4.686	3771756	86.35	100.00

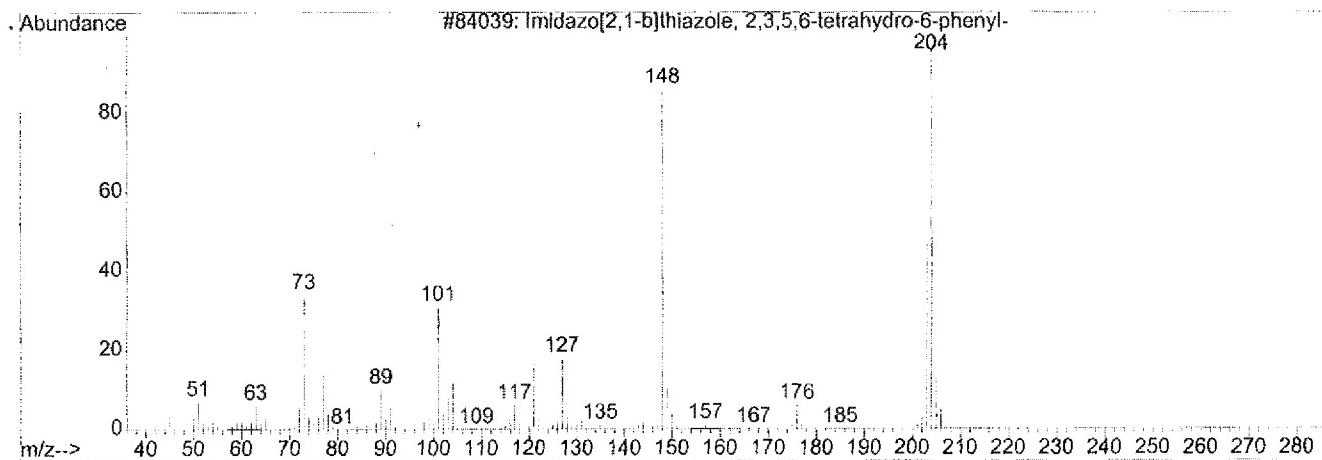
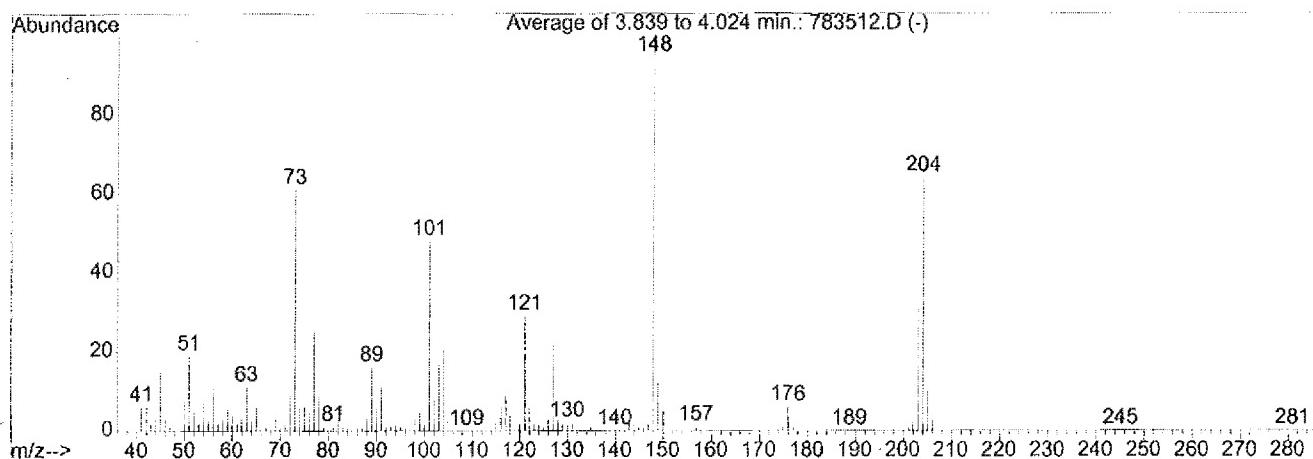
Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783512.D
 Operator : LAG
 Date Acquired : 20 Apr 2011 14:18
 Sample Name : XXXXXXXXXX
 Submitted by : LAG
 Vial Number : 12
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.87	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97



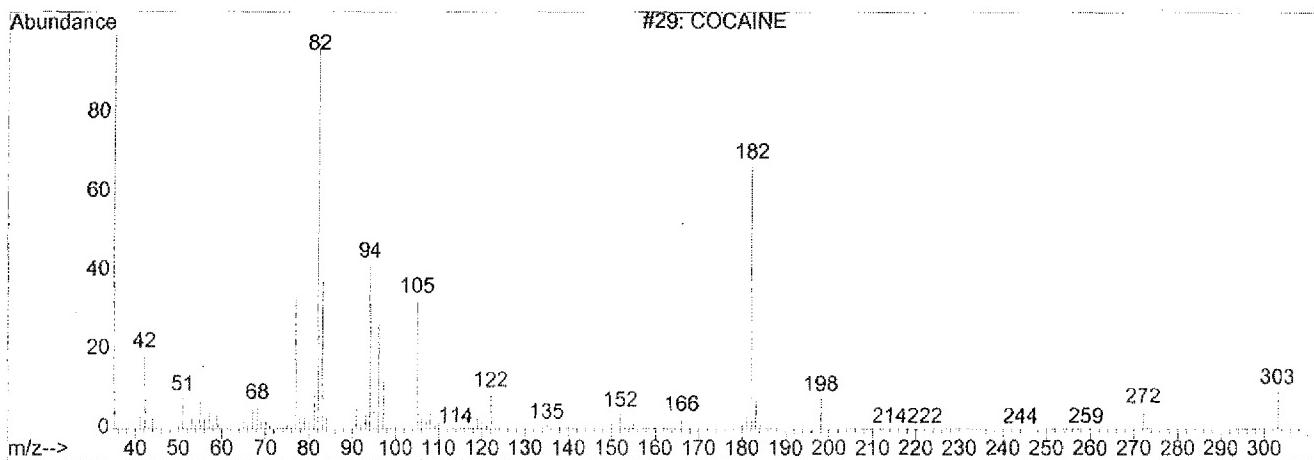
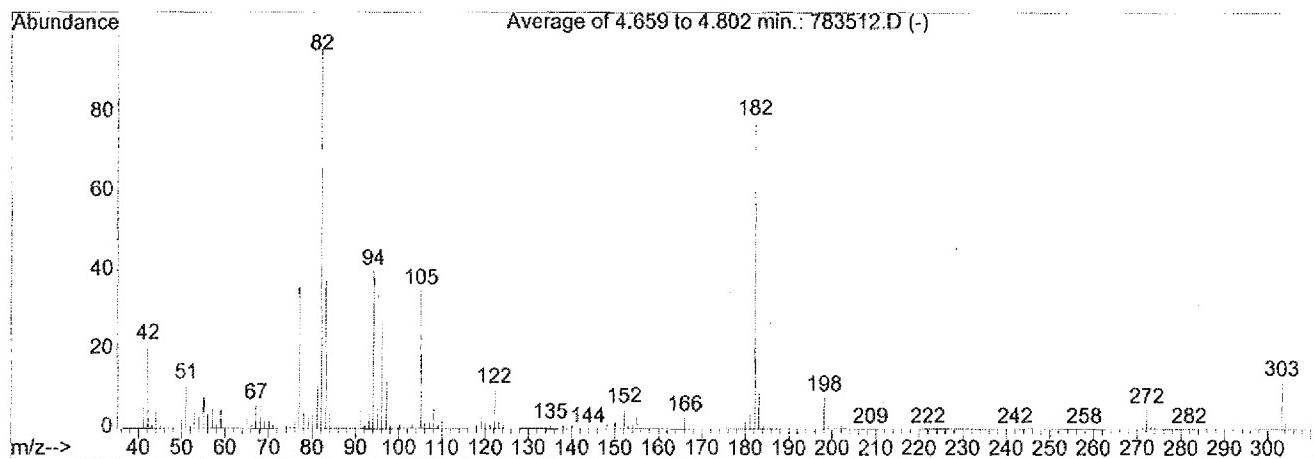
Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783512.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:18
Sample Name : XXXXXXXXXX
Submitted by : LAG
Vial Number : 12
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

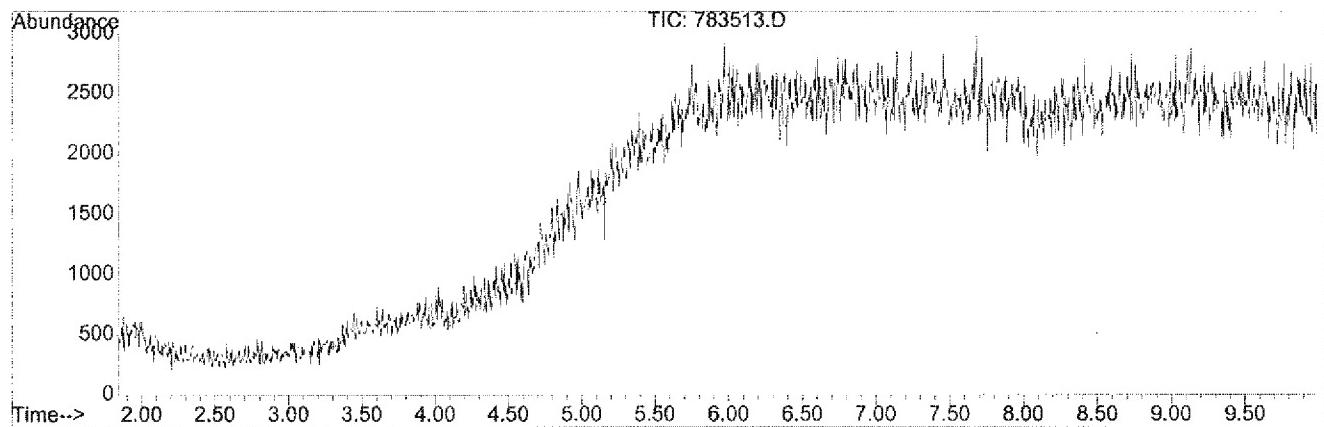
PK#	RT	Library/ID	CAS#	Qual
2	4.69	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783513.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:31
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



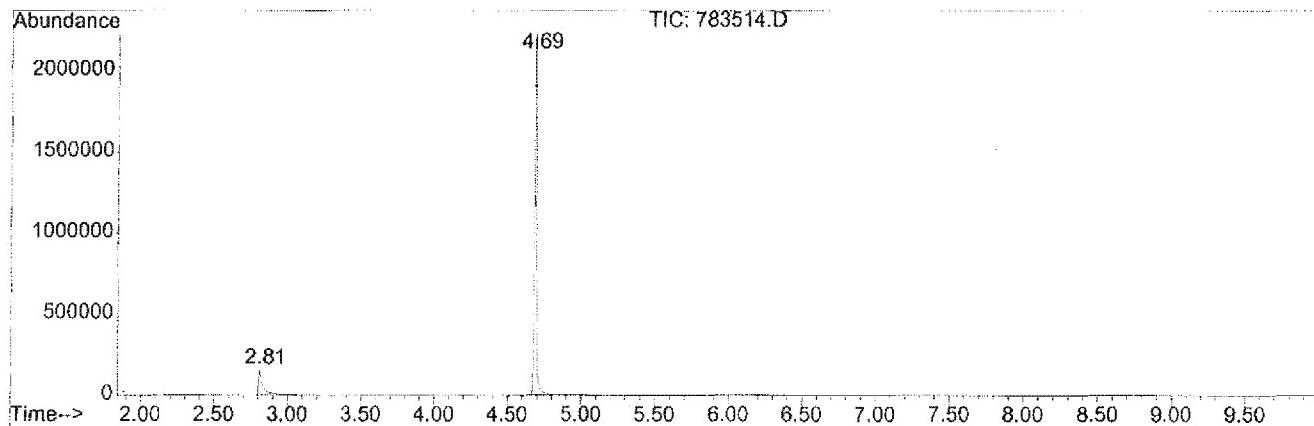
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783514.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:43
Sample Name : XXXXXXXXXX
Submitted by : LAG
Vial Number : 14
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
2.811	330225	12.50	14.28
4.686	2312197	87.50	100.00

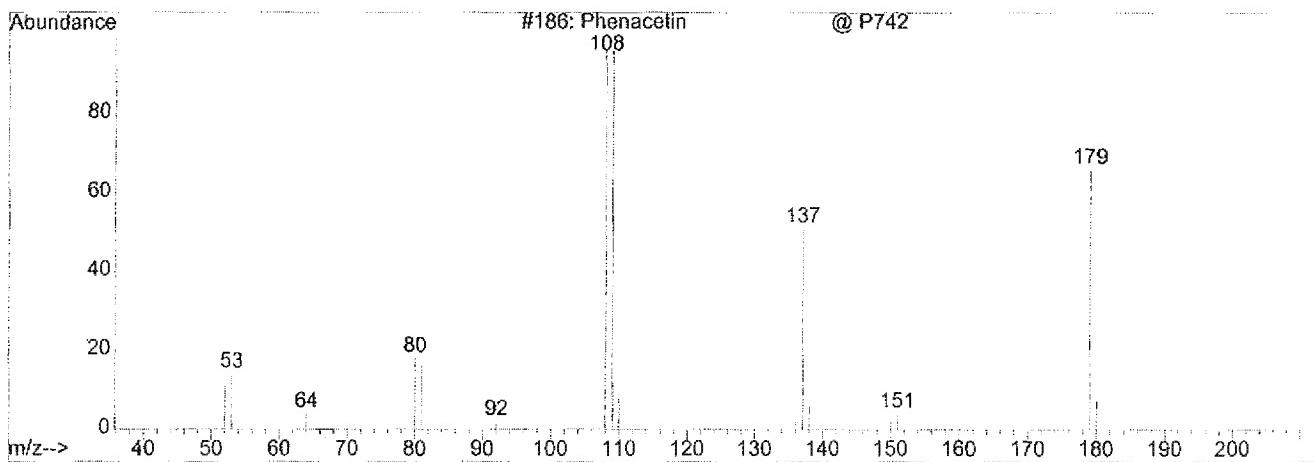
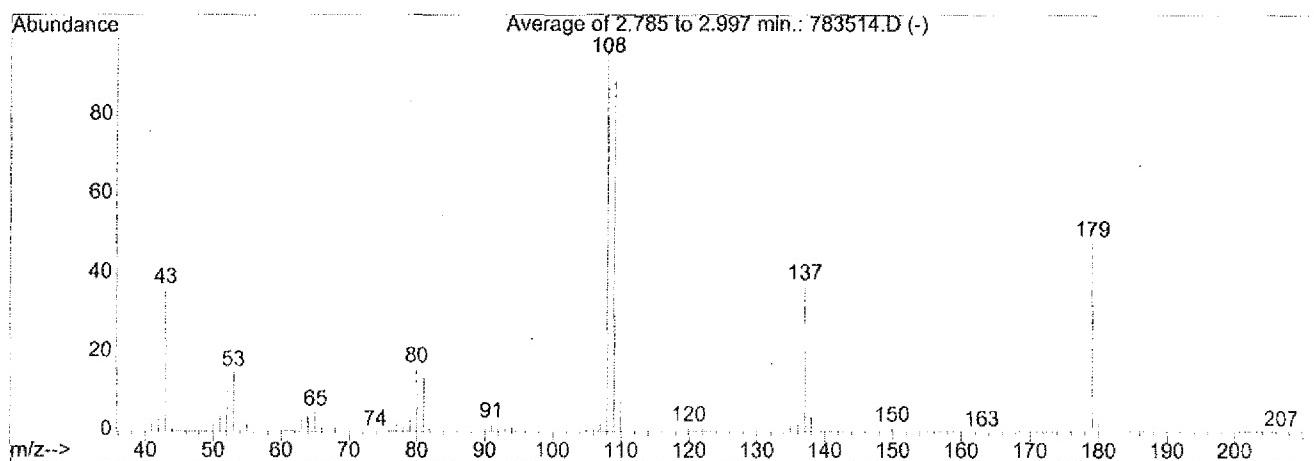
Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783514.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:43
Sample Name : XXXXXXXXXX
Submitted by : LAG
Vial Number : 14
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	2.81	C:\DATABASE\PMW_TOX2.L		
		Phenacetin	@ 000062-44-2	95
		Bucetin	001083-57-4	38
		Formetanate -C2HNO	000000-00-0	27



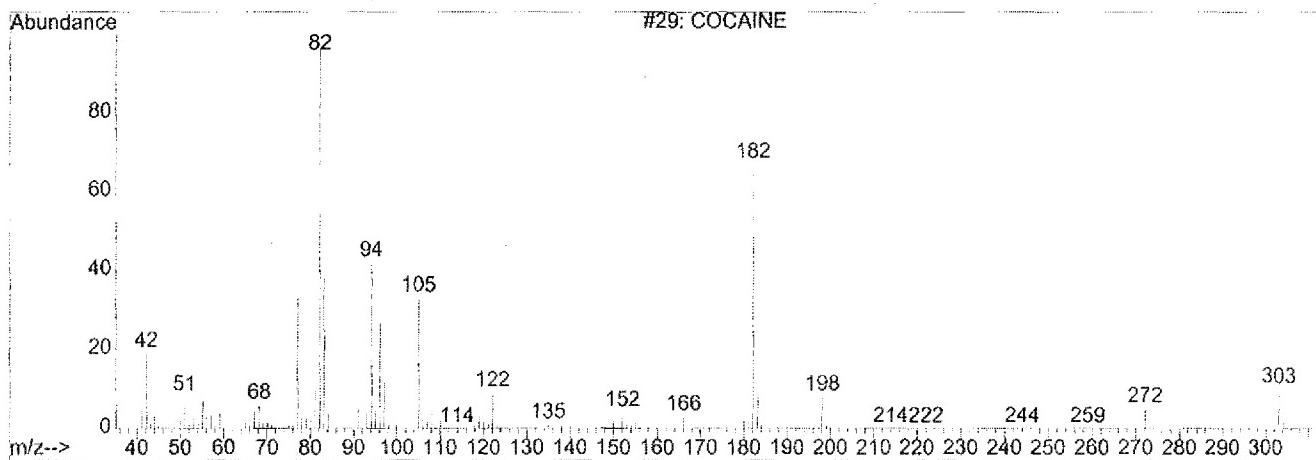
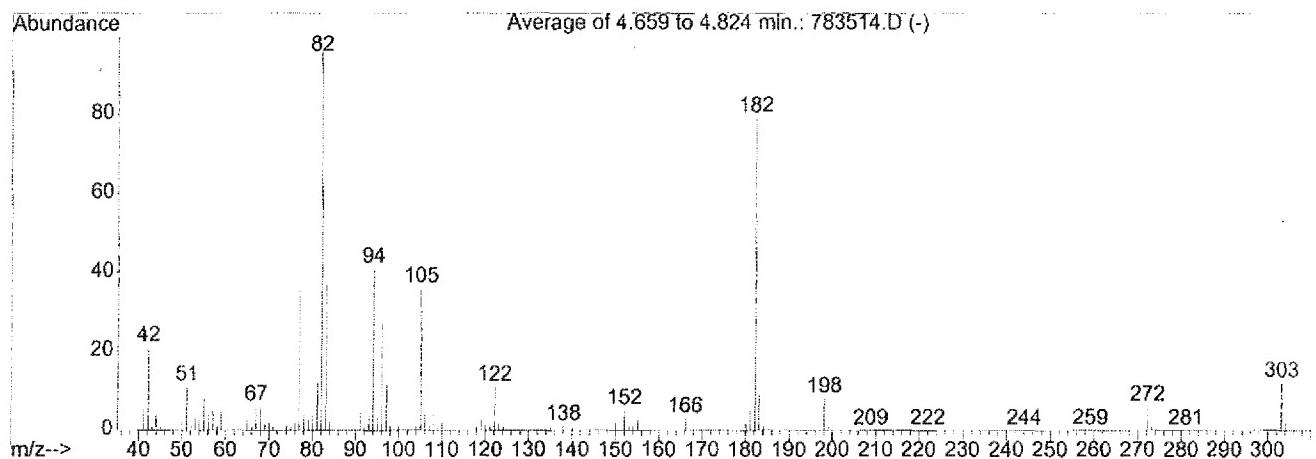
Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783514.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:43
Sample Name : XXXXXXXXXX
Submitted by : LAG
Vial Number : 14
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

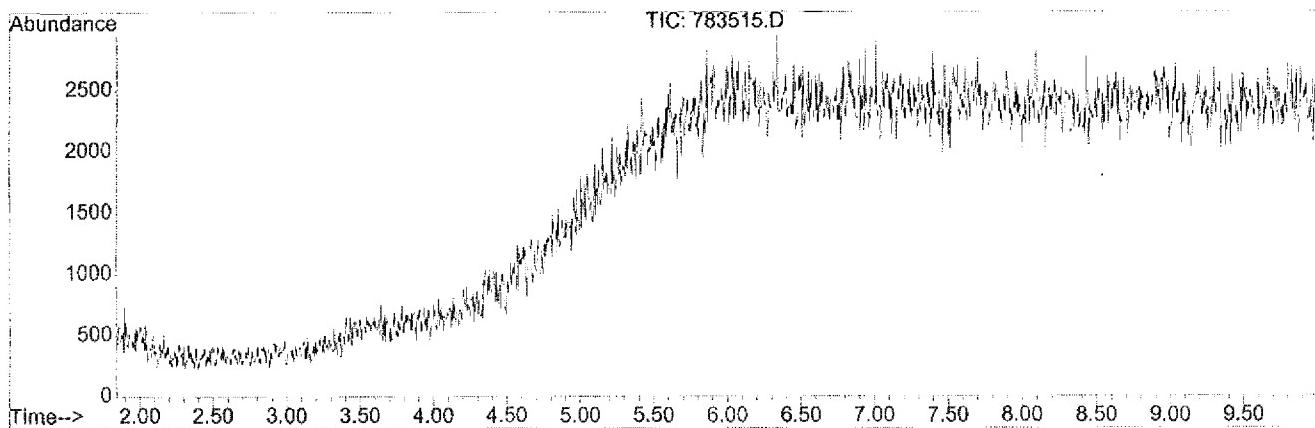
PK#	RT	Library/ID	CAS#	Qual
2	4.69	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783515.D
Operator : LAG
Date Acquired : 20 Apr 2011 14:56
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



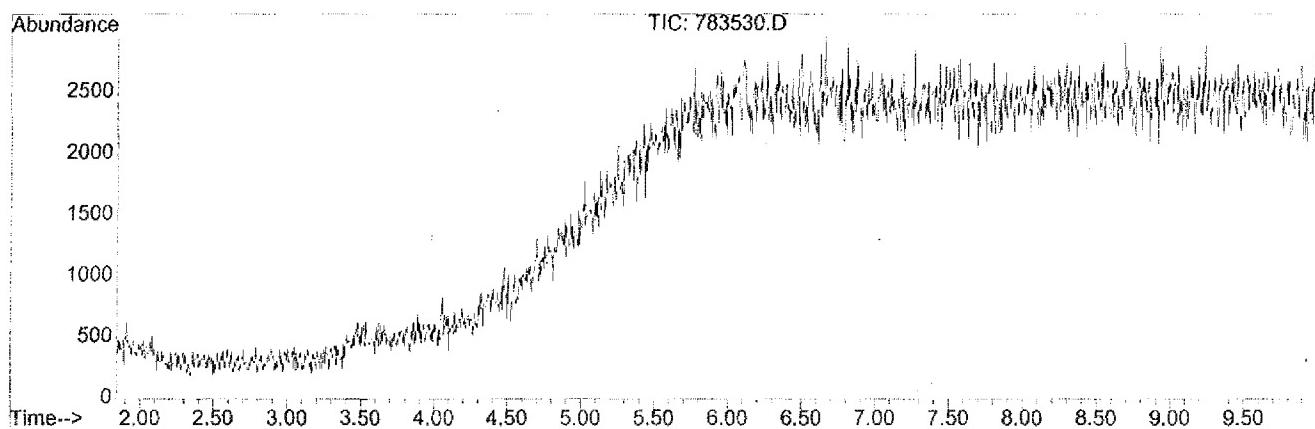
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783530.D
Operator : LAG
Date Acquired : 20 Apr 2011 18:06
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



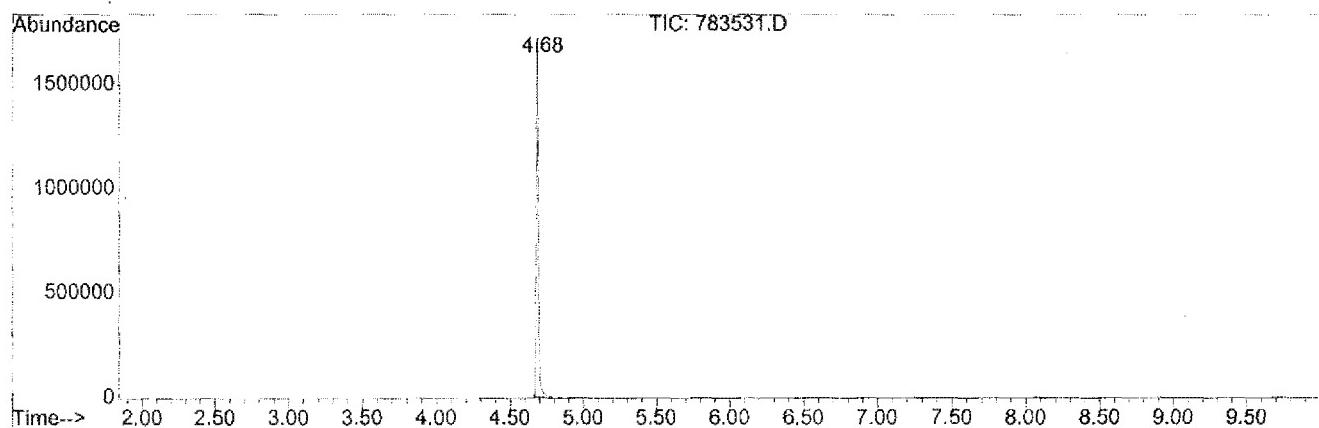
Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783531.D
Operator : LAG
Date Acquired : 20 Apr 2011 18:18
Sample Name : COCAINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.680	1710406	100.00	100.00

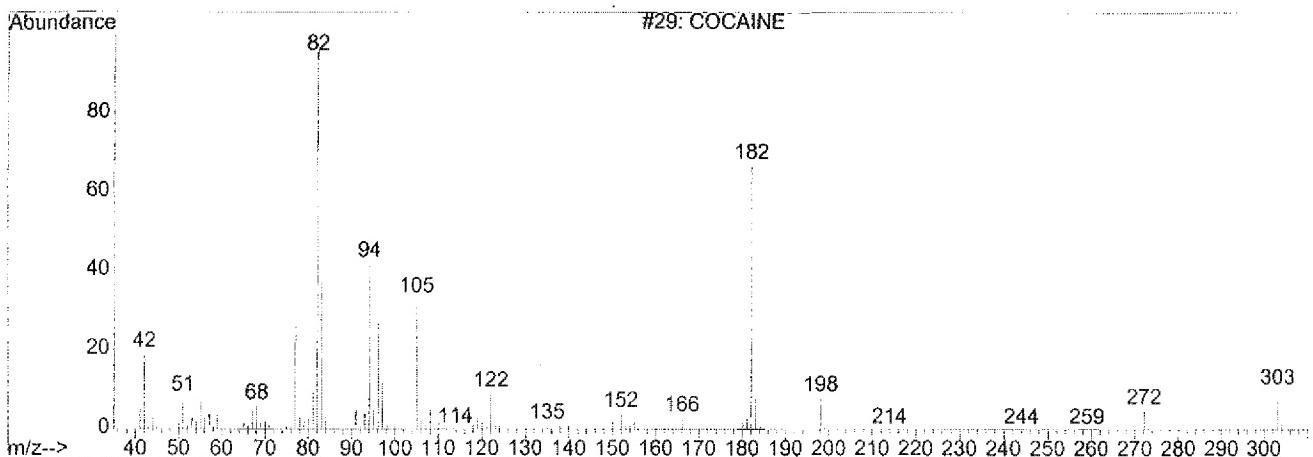
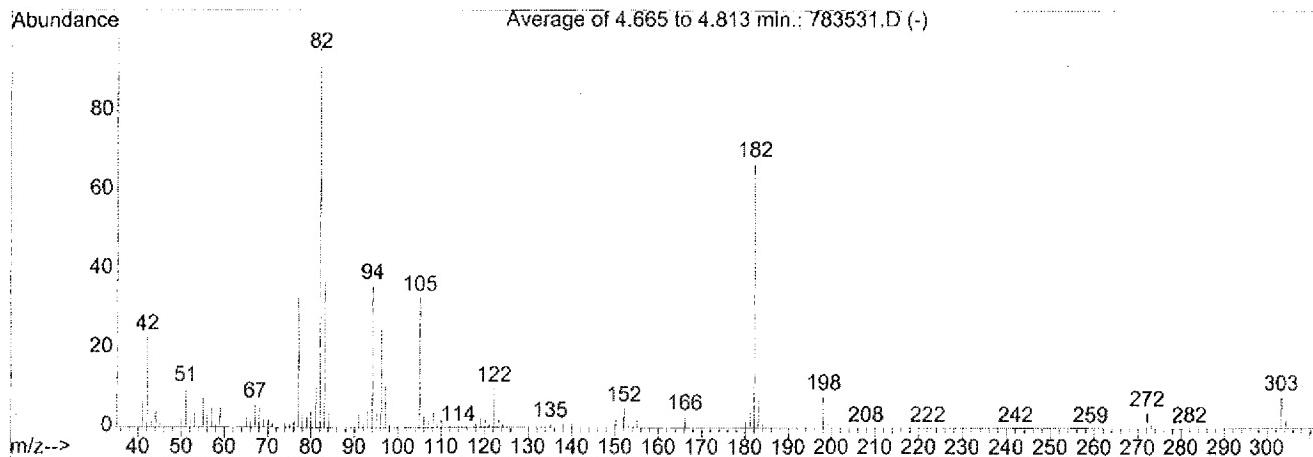
Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783531.D
Operator : LAG
Date Acquired : 20 Apr 2011 18:18
Sample Name : COCAINE STD
Submitted by :
Vial Number : 6
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
C:\DATABASE\NIST98.L

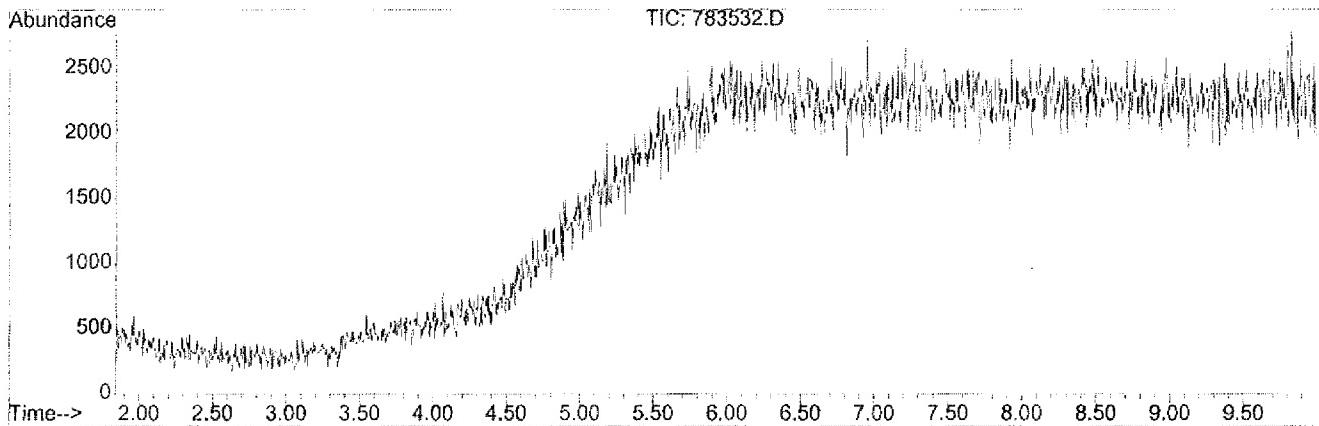
PK#	RT	Library/ID	CAS#	Qual
1	4.68	C:\DATABASE\SLI.L COCAINE	000050-36-2	99



Area Percent / Library Search Report

Information from Data File:

File Name : J:\04_20_11\783532.D
Operator : LAG
Date Acquired : 20 Apr 2011 18:31
Sample Name : BLANK
Submitted by : LAG
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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NO INTEGRATED PEAKS